

**US DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE**

APPLICANT: CHAI, et al.

FOR: LUTETIUM YTTRIUM ORTHOSILICATE SINGLE CRYSTAL SCINTILLATOR DETECTOR

LIST OF ART CITED BY APPLICANTU.S. PATENT DOCUMENTS

| EXAMINER | DOCUMENT NO. | DATE | NAME | CLASS | SUBCLASS |
|----------|-------------------------|---------------------|----------------------------|---------------------|----------|
| CH | AA 4,664,744 | 5/12/87 | LE GAL <i>et al.</i> | 156 616R | — |
| CH | AB 4,928,017 | 5/22/90 | KEMMLER-SACK <i>et al.</i> | 250 483.1 | — |
| CH | AC 4,958,080 | 9/18/90 | MELCHER | 250 483.1 | — |
| CH | AD 5,003,181 | 3/26/91 | MORLOTTI | 250 484.1 | — |
| CH | AE 5,025,151 | 6/18/91 | MELCHER | 250 269 | — |
| CH | AF 5,164,041 | 11/17/92 | BERKSTRESSER <i>et al.</i> | 156 617 | — |
| CH | AG 5,660,627 | 8/26/97 | MANENTE <i>et al.</i> | 117 13 | — |
| | AH 5,610,967 | 3/11/97 | MOORMAN | 378 154 | |
| | AI 5,664,612 | 7/1/97 | MOORMAN | 378 98.2 | |
| | AJ 5,651,047 | 7/22/97 | MOORMAN | 378-988 | |
| | AK 5,729,584 | 3/17/98 | MOORMAN | 378-146 | |
| | AL 5,751,785 | 5/12/98 | MOORMAN | 378-146 | |
| | AM 5,835,561 | 11/10/98 | MOORMAN | 378-98 | |
| | AN 5,859,893 | 1/12/99 | MOORMAN | 378-154 | |

FOREIGN PATENT DOCUMENTS

NONE

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CH
AND ITS APPLICATION TO POSITION SENSITIVE DETECTORS" pp. 170-172 *et al.*
IEEE Transactions on Nuclear Science, Vol. 36, No. 1, February 1989, Ishibashi, "CERIUM DOPED GSO SCINTILLATORS" *et al.*

CH
LUTETIUM OXYORTHOSILICATE SCINTILLATION CRYSTAL FOR PET" pp. 1045-1047 *et al.*
IEEE Transactions on Nuclear Science, Vol. 40, No. 4, August 1993, Daghighian, "EVALUATION OF CERIUM DOPED I *et al.*

CH
FOR CHARGED/NEUTRAL PARTICLE AND PHOTON DETECTION" pp. 1260-1266 *et al.*
IEEE Transactions on Nuclear Science, Vol. 43, No. 3, June 1996, Novotny, "A PLASTIC-BaF2 PHOSWICH TELESCOPE *et al.*

CONSTANTINE HANNAHER

OCT 15 2001

jc530 U.S. PTO
09/506160
02/17/00